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Parallelogram Worksheet 1

1) Which of the following is a parallelogram?



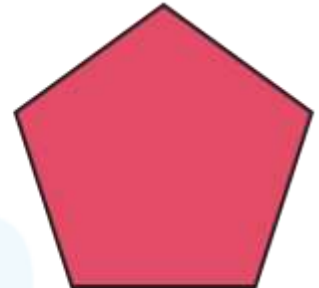
i



ii



iii



iv

2) Jayden claimed that any four-sided object is a parallelogram. Is he correct?

3) Which of the following is not a property of a parallelogram?

- i) Opposite sides are congruent.
- ii) Opposite sides are parallel.
- iii) Opposite angles are congruent.
- iv) Diagonals of a parallelogram are equal.

4) Fill in the blank:

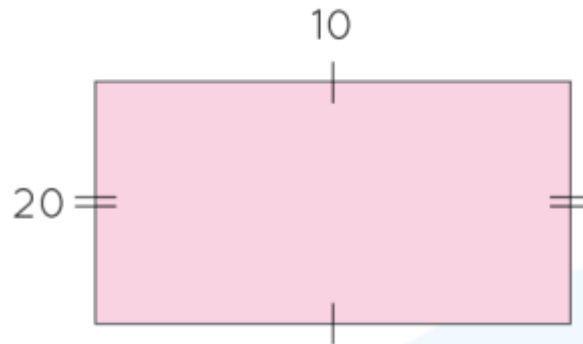
Diagonal of a parallelogram ___ each other.

5) Which of the following options is the exact match of the given order?

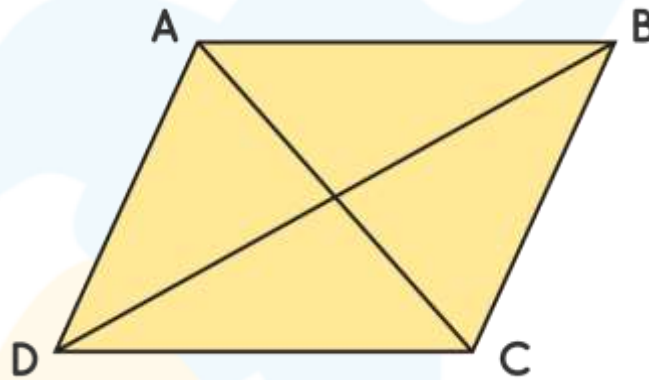
Quadrilateral, parallelogram, polygon

- i) Square, square, circle
- ii) Trapezium, rectangle, triangle
- iii) Triangle, square, rectangle
- iv) None of the above.

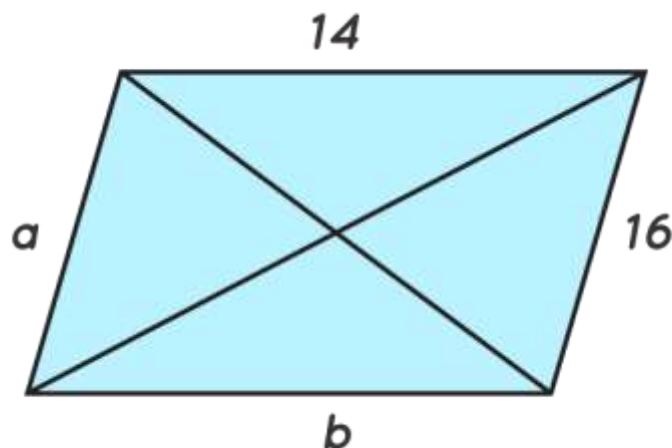
6) Find the area of the given parallelogram:



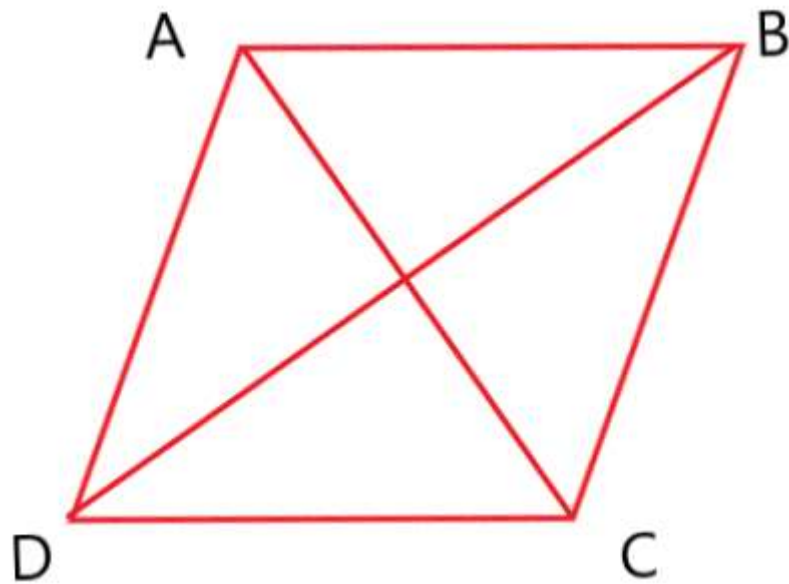
7) In the parallelogram ABCD given below, if $AB = 60$, then $DC = ?$



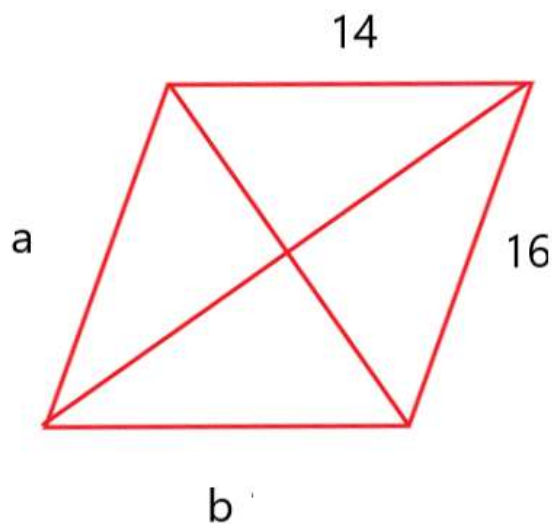
8) In the figure given below, if $\angle SPQ = 120^\circ$, and $\angle 4 = 20^\circ$. Find the value of $\angle 2$.



- 9) In the figure given below, if $AB = 25$, $BC = 14$, $CD = 6x + y$, and $AD = 3x + 2y$. Find the value of x and y .



- 10) Find the value of a , and b :



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**ANSWERS**

1)	i
2)	No, he is wrong.
3)	iv) Because diagonals of a parallelogram may not be equal.
4)	Bisect
5)	ii
6)	200
7)	60
8)	40°
9)	$x = 4, y = 1$
10)	$a = 16, b = 14$